

**TRANSFER APPARATUS FOR ARTICLE TO BE CONVEYED**

PAJ 02-01-00 00062949 JP NDN- 043-0168-5814-9

**INVENTOR(S)**- FUKUWATARI, ICHIRO; YAMADA, HIROYOSHI; HORIMOTO, TEIJI; ENDO, YOSHINARI

**PATENT APPLICATION NUMBER**- 10248926

**DATE FILED**- 1998-09-03

**PUBLICATION NUMBER**- 00062949 JP

**DOCUMENT TYPE**- A

**PUBLICATION DATE**- 2000-02-29

**PATENT PRIORITY INFO**- 10158853, 1998-06-08, Japan

**INTERNATIONAL PATENT CLASS**- B65G04907; B25J00906; B65G04752; H01L02168

**APPLICANT(S)**- HITACHI KIDEN KOGYO LTD

**PUBLICATION COUNTRY**- Japan

**PROBLEM TO BE SOLVED:** To exactly deliver and receive, within a limited space, a conveyed article such as a cassette accommodating a silicon wafer or a liquid crystal substrate between an automatic guided vehicle and a station.

**SOLUTION:** This transfer apparatus delivers and receives an article 4 to be carried between an automatic guided vehicle and a station. A base end arm 3 having a prescribed length  $L1$  and a front end arm 2 having almost the same length  $L2$  as the base end arm 3 are rotatably-attached so as to bend, the terminal end of the base end arm 3 is rotatably attached to a main body frame 20, and the base end of the front end side arm 2 is rotatably-attached with a conveyed article placing table 1. It is thus possible to rotate the base end arm 3, the front end arm 2, and the conveyed article placing table 1 around the rotatably-attached part simultaneously at an angular speed of prescribed ratio by an advancing/retreating motor 11.

**COPYRIGHT:** (C)2000,JPO